

## SEQUENCE LISTING

<110> AKIYAMA, Tooru  
ISHIDAO, Takefumi  
AIBA, Tomoo

<120> sFRP expression enhancing agent

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<140> US Unassigned

<141> 2006-09-28

<150> PCT/JP2005/006163

<151> 2005-03-30

<150> JP P2004-106315

<151> 2004-03-31

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<170> PatentIn version 3.1

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<221> misc\_feature

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Ser Ile Glu Arg Val Ile Asn Ile Phe Gln Ser Asn Leu Phe Gln Ala

35

40

45

Leu Ile Asp Ile Gln Glu Phe Tyr Glu Val Thr Leu Leu Asp Asn Pro

50

55

60

Lys Cys Ile Asp Arg Ser Lys Pro Ser Glu Pro Ile Gln Pro Val Asn

65

70

75

80

Thr Trp Glu Ile Ser Ser Leu Pro Ser Ser Thr Val Thr Ser Glu Thr

85

90

95

Leu Pro Ser Ser Leu Ser Pro Ser Val Glu Lys Tyr Arg Tyr Gln Asp

100

105

110

Glu Asp Thr Pro Pro Gln Glu His Ile Ser Pro Gln Ile Thr Asn Glu

115

120

125

Val Ile Gly Pro Glu Leu Val His Val Ser Glu Lys Asn Leu Ser Glu

130

135

140

Ile Glu Asn Val His Gly Phe Val Ser His Ser His Ile Ser Pro Ile

145

150

155

160

Lys Pro Thr Glu Ala Val Leu Pro Ser Pro Pro Thr Val Pro Val Ile

165

170

175

Pro Val Leu Pro Val Pro Ala Glu Asn Thr Val Ile Leu Pro Thr Ile  
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Pro Gln Ala Asn Pro Pro Pro Val Leu Val Asn Thr Asp Ser Leu Glu  
 195 200 205

Thr Pro Thr Tyr Val Asn Gly Thr Asp Ala Asp Tyr Glu Tyr Glu Glu  
 210 215 220

Ile Thr Leu Glu Arg Gly Asn Ser Gly Leu Gly Phe Ser Ile Ala Gly  
 225 230 235 240

Gly Thr Asp Asn Pro His Ile Gly Asp Asp Ser Ser Ile Phe Ile Thr  
 245 250 255

Lys Ile Ile Thr Gly Gly Ala Ala Ala Gln Asp Gly Arg Leu Arg Val  
 260 265 270

Asn Asp Cys Ile Leu Gln Val Asn Glu Val Asp Val Arg Asp Val Thr  
 275 280 285

His Ser Lys Ala Val Glu Ala Leu Lys Glu Ala Gly Ser Ile Val Arg  
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Leu Tyr Val Lys Arg Arg Lys Pro Val Ser Glu Lys Ile Met Glu Ile  
 305 310 315 320

Lys Leu Ile Lys Gly Pro Lys Gly Leu Gly Phe Ser Ile Ala Gly Gly

325 330 335

Val Gly Asn Gln His Ile Pro Gly Asp Asn Ser Ile Tyr Val Thr Lys  
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Ile Ile Glu Gly Gly Ala Ala His Lys Asp Gly Lys Leu Gln Ile Gly  
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Asp Lys Leu Leu Ala Val Asn Asn Val Cys Leu Glu Glu Val Thr His  
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Glu Glu Ala Val Thr Ala Leu Lys Asn Thr Ser Asp Phe Val Tyr Leu  
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Lys Val Ala Lys Pro Thr Ser Met Tyr Met Asn Asp Gly Tyr Ala Pro  
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Pro Ser Ser Phe Leu Gly Gln Thr Pro Ala Ser Pro Ala Arg Tyr Ser  
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Pro Val Ser Lys Ala Val Leu Gly Asp Asp Glu Ile Thr Arg Glu Pro  
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Val Gly Gly Glu Asp Gly Glu Gly Ile Phe Ile Ser Phe Ile Leu Ala  
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Tyr Arg Pro Glu Glu Tyr Ser Arg Phe Glu Ala Lys Ile His Asp Leu  
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Arg Thr Ser Gln Lys Arg Ser Leu Tyr Val Arg Ala Leu Phe Asp Tyr  
 580 585 590

Asp Lys Thr Lys Asp Ser Gly Leu Pro Ser Gln Gly Leu Asn Phe Lys  
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Phe Gly Asp Ile Leu His Val Ile Asn Ala Ser Asp Asp Glu Trp Trp  
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Gln Ala Arg Gln Val Thr Pro Asp Gly Glu Ser Asp Glu Val Gly Val



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Tyr Glu Val Asp Gly Arg Asp Tyr His Phe Val Thr Ser Arg Glu Gln  
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Gly Lys Gly Lys His Cys Ile Leu Asp Val Ser Gly Asn Ala Ile Lys  
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Arg Leu Gln Ile Ala Gln Leu Tyr Pro Ile Ser Ile Phe Ile Lys Pro  
 820 825 830

Lys Ser Met Glu Asn Ile Met Glu Met Asn Lys Arg Leu Thr Glu Glu  
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Gln Ala Arg Lys Thr Phe Glu Arg Ala Met Lys Leu Glu Gln Glu Phe  
 850 855 860

Thr Glu His Phe Thr Ala Ile Val Gln Gly Asp Thr Leu Glu Asp Ile  
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&lt;223&gt; murine Dlg(discs large) gene

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&lt;212&gt; PRT

&lt;213&gt; Mus musculus

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Leu Ile Asp Ile Gln Glu Phe Tyr Glu Val Thr Leu Leu Asp Asn Pro  
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Lys Cys Val Asp His Ser Lys Gln Cys Glu Pro Val Gln Pro Val Thr  
 65 70 75 80

Thr Trp Glu Ile Ala Ser Leu Pro Ser Thr Ala Val Thr Ser Glu Thr  
 85 90 95

Leu Pro Gly Ser Leu Ser Pro Pro Val Glu Lys Tyr Arg Tyr Gln Asp  
 100 105 110

Glu Glu Val Leu Pro Pro Glu His Ile Ser Pro Gln Val Thr Asn Glu  
 115 120 125

Val Leu Gly Pro Glu Leu Val His Val Ser Glu Lys Asn Leu Ser Glu  
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Ile Glu Asn Val His Gly Phe Val Ser His Ser His Ile Ser Pro Ile  
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Lys Pro Thr Glu Ala Val Pro Pro Ser Ser Pro Ile Val Pro Val Thr  
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Pro Ala Leu Pro Val Pro Ala Glu Ser Thr Val Val Leu Pro Ser Ala  
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Pro Gln Ala Asn Pro Pro Pro Val Leu Val Asn Thr Asp Ser Leu Glu  
 195 200 205

Thr Pro Thr Tyr Val Asn Gly Thr Asp Ala Asp Tyr Glu Tyr Glu Glu  
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Ile Thr Leu Glu Arg Gly Asn Ser Gly Leu Gly Phe Ser Ile Ala Gly  
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Gly Thr Asp Asn Pro His Ile Gly Asp Asp Ser Ser Ile Phe Ile Thr  
 245 250 255

Lys Ile Ile Thr Gly Gly Arg Ala Ala Gln Asp Gly Arg Leu Arg Val  
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Asn Asp Cys Val Leu Arg Val Asn Glu Ala Asp Val Arg Asp Val Thr  
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His Ser Lys Ala Val Glu Ala Leu Lys Glu Ala Gly Ser Ile Val Arg  
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Leu Tyr Val Lys Arg Arg Lys Leu Ala Ser Glu Lys Ile Met Glu Ile  
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Lys Leu Ile Lys Gly Pro Lys Gly Leu Gly Phe Ser Ile Ala Gly Gly  
 325 330 335

Ile Gly Asn Gln His Ile Pro Gly Asp Asn Ser Ile Tyr Val Thr Lys  
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Ile Ile Glu Gly Gly Ala Ala His Lys Asp Gly Lys Leu Gln Ile Gly  
 355 360 365

Asp Lys Leu Leu Ala Val Asn Ser Val Cys Leu Glu Glu Val Thr His  
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Glu Glu Ala Val Thr Ala Leu Lys Asn Thr Ser Asp Phe Val Tyr Leu  
 385 390 395 400

Lys Val Ala Lys Pro Thr Ser Met Tyr Ile Asn Asp Gly Tyr Ala Pro  
 405 410 415

Pro Asp Ile Thr Asn Ser Ser Ser Gln Ser Val Asp Asn His Val Ser  
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Pro Ser Ser Cys Leu Gly Gln Thr Pro Thr Ser Pro Ala Arg Tyr Ser  
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Pro Ile Ser Lys Ala Val Leu Gly Asp Asp Glu Ile Thr Arg Glu Pro  
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Arg Lys Val Val Leu His Arg Gly Ser Thr Gly Leu Gly Phe Asn Ile  
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Val Ala Gly Glu Asp Gly Glu Gly Ile Phe Ile Ser Phe Ile Leu Ala  
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Gly Gly Pro Ala Asp Leu Ser Gly Glu Leu Arg Lys Gly Asp Arg Ile  
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Ala Ala Ala Leu Lys Asn Ala Gly Gln Ala Val Thr Ile Val Ala Gln  
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Tyr Arg Pro Glu Glu Ser Arg Arg Phe Glu Ala Lys Ile His Asp Leu  
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Arg Thr Ser Gln Lys Arg Ser Leu Tyr Val Arg Ala Leu Phe Asp Tyr  
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Asp Lys Thr Lys Asp Ser Gly Leu Pro Ser Gln Gly Leu Asn Phe Arg  
595 600 605

Phe Gly Asp Ile Leu His Val Ile Asn Ala Ser Asp Asp Glu Trp Trp  
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Gln Ala Arg Gln Val Thr Pro Asp Gly Glu Ser Asp Glu Val Gly Val  
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675 680 685

Lys Asn Lys Asp Gln Ser Glu Gln Glu Thr Ser Asp Ala Asp Gln His  
690 695 700

Val Thr Ser Asn Ala Ser Asp Ser Glu Ser Ser Tyr Arg Gly Gln Glu  
705 710 715 720

Glu Cys Val Leu Ser Tyr Glu Pro Val Asn Gln Gln Glu Val Asn Tyr  
725 730 735

Thr Arg Pro Val Ile Ile Leu Gly Pro Met Lys Asp Arg Val Asn Asp  
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Asp Leu Ile Ser Glu Phe Pro Asp Lys Phe Gly Ser Cys Val Pro His  
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Thr Thr Arg Pro Lys Arg Asp Ile Glu Val Asp Gly Arg Asp Tyr His  
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Phe Val Thr Ser Arg Glu Arg Val Glu Lys Asp Ile Gln Glu His Lys  
 785 790 795 800

Phe Ile Glu Ala Gly Gln Tyr Asn Asn His Leu Tyr Gly Thr Ser Val  
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Gln Ser Val Arg Ala Val Ala Glu Lys Gly Lys His Cys Ile Leu Asp  
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Val Ser Gly Asn Ala Ile Lys Arg Leu Gln Ile Ala Gln Leu Tyr Pro  
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Ile Ser Ile Phe Ile Lys Pro Lys Ser Met Glu Asn Ile Met Glu Met  
 850 855 860

Asn Lys Arg Leu Thr Glu Glu Gln Ala Arg Lys Thr Phe Glu Arg Ala  
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Met Lys Leu Glu Gln Glu Phe Thr Glu His Phe Thr Ala Ile Val Gln  
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Gly Asp Thr Leu Glu Asp Ile Tyr Asn Gln Val Lys Gln Ile Ile Glu  
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<223> Designed polynucleotide for use as a primer

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<210> 7

<211> 30

<212> DNA

<213> Artificial

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<211> 5229

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<223> H2-kk gene

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tttatltgt aattltgtg tgcctatgt ttattgtaa ccattataag ctgcaataaa 180

caagtaaca acaacaattg catcatliti atgtttcagg ttacggggga ggtgtgggag 240

gtttltaaa gcaagtataa cctctacaaa tgiggatgg ctgattatga tccggctgcc 300

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